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COMMISSIONER FOR PATENTS
Washington, DC 20231

Re: Patent Application
of Akihiro IINO et al.
Serial No. 09/290,056
Examiner: MARK OSBORNE BUDD
Group Art Unit: 2834
Docket No. S004-3645

ATTENTION: DRAFTING

S I R:

Attached hereto are formal drawings or corrected formal drawings for the above-identified application.

It is respectfully requested that these drawings be entered in the application file.

MAILING CERTIFICATE

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: COMMISSIONER OF PATENTS & TRADEMARKS, Washington, DC 20231, on the date indicated below.

Kelly Eric Bowman
Name

[Signature]
Signature

August 13, 2004
Date

Respectfully submitted,

ADAMS & WILKS
Attorneys for Applicant(s)

By:

[Signature]

Bruce L. Adams
Reg. No. 25,386

BLA: KEB
Enclosures



FIG. 1

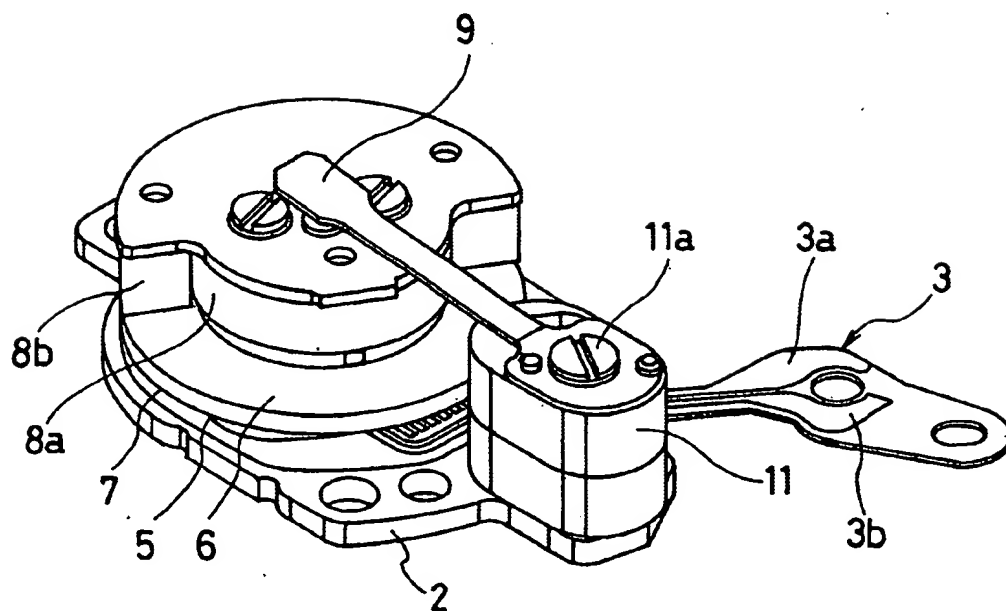
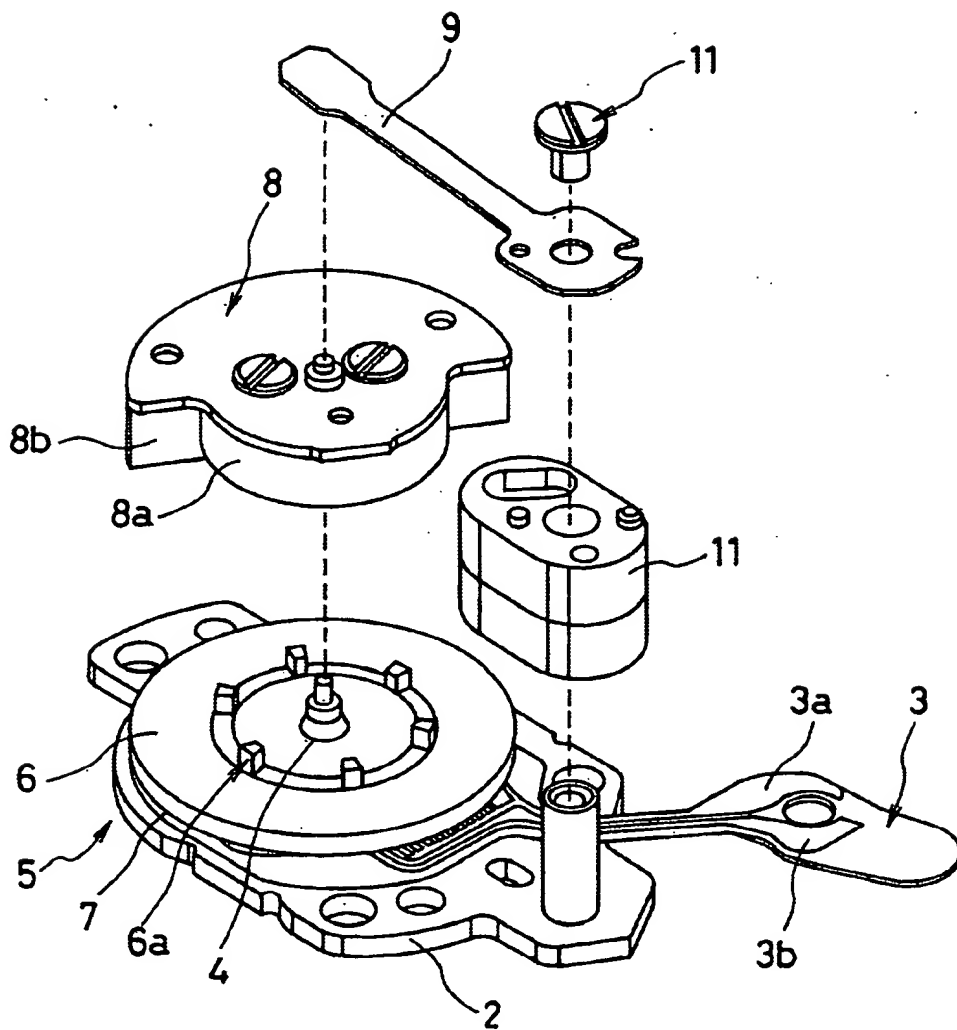




FIG. 2



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FIG. 3A

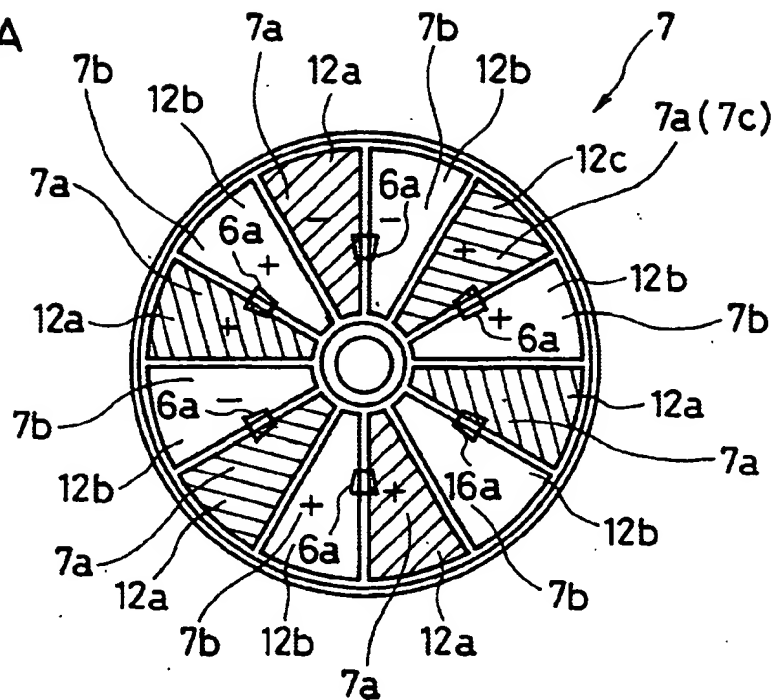


FIG. 3B

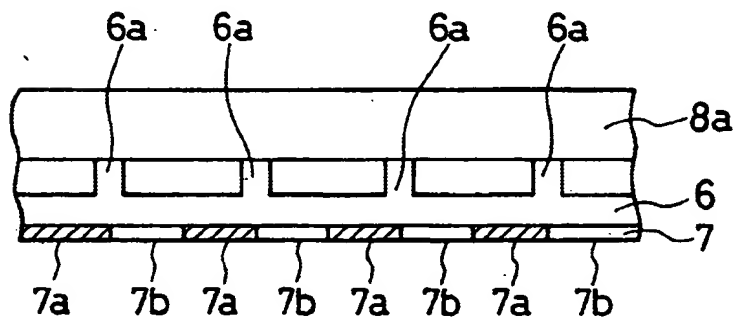


FIG. 3C

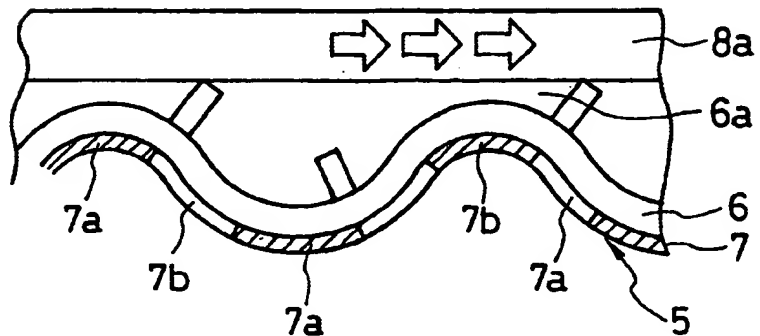




FIG. 4A

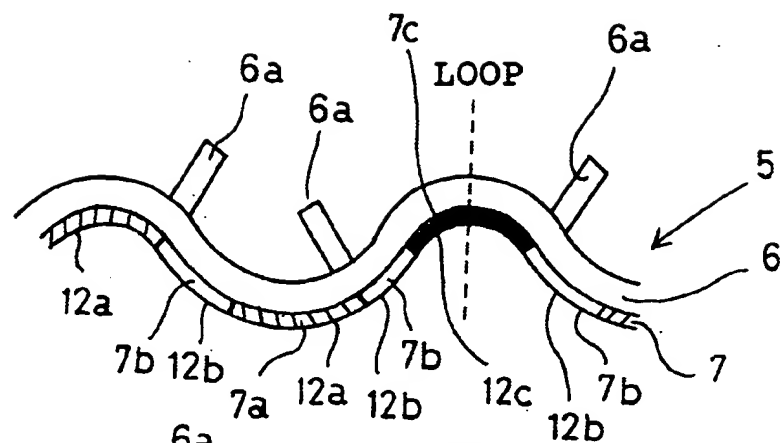


FIG. 4B

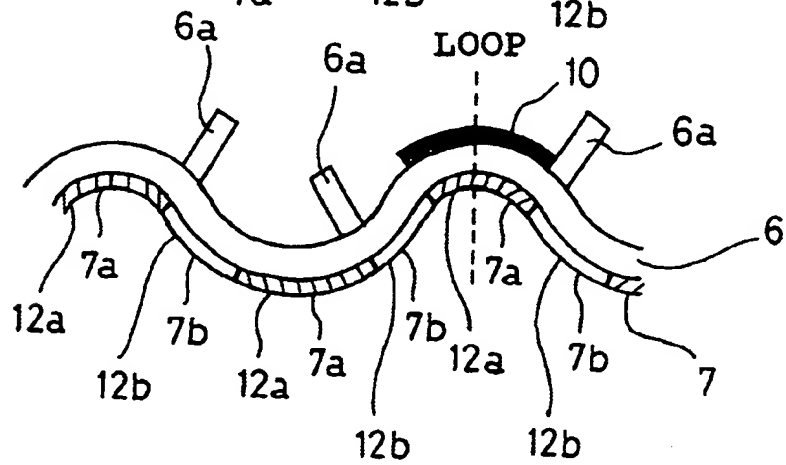


FIG.5A

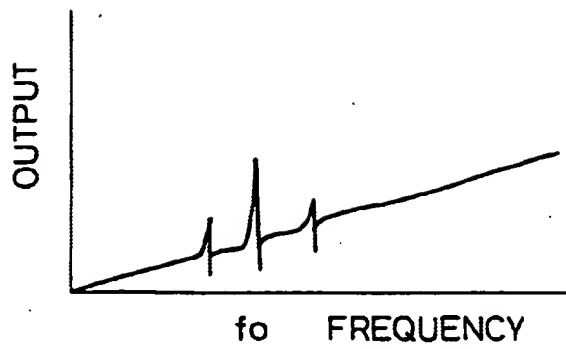
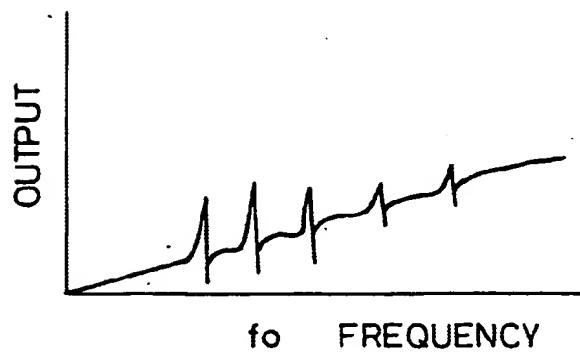


FIG.5B



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The diagram shows a circular device with a central hub and multiple segments. The segments are labeled with various identifiers: 7a, 7b, 7c, 12a, 12b, 12c, 12b, 7b, 12a, 7a, 12b, 7b, 12a, 7a, 12b, 7b. The segments are arranged in a circular pattern, with some segments having a '+' sign and others a '-' sign. The segments are connected to an 'AMPLIFYING CIRCUIT' (13) and a 'FILTER CIRCUIT' (14). The 'AMPLIFYING CIRCUIT' is connected to segments 12b, 7b and 12a, 7a. The 'FILTER CIRCUIT' is connected to segments 12b, 7b and 12a, 7a. The segments are also connected to a common ground or reference point.

[illegible]



FIG. 7

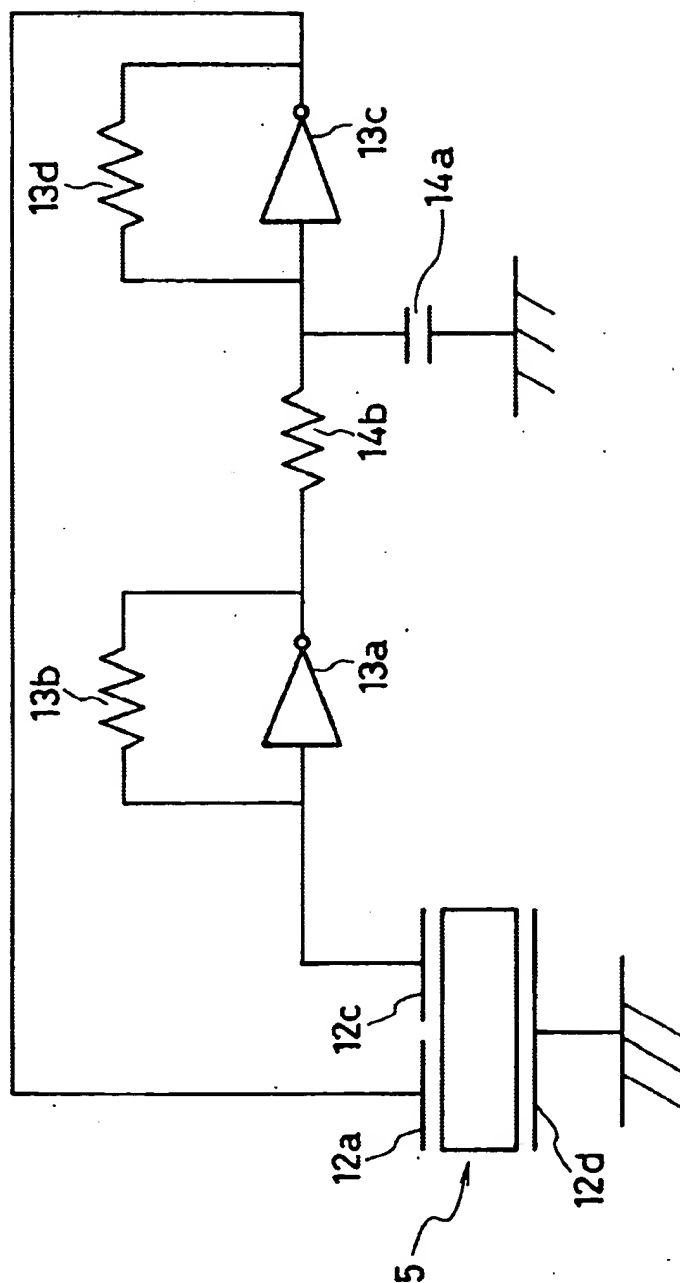




FIG. 8A

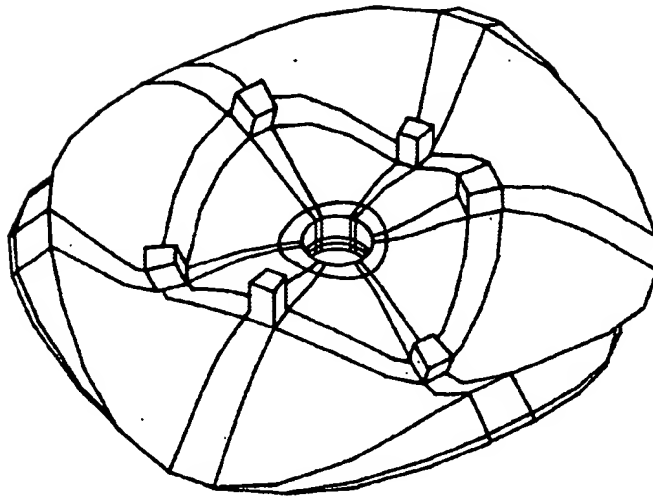


FIG. 8B

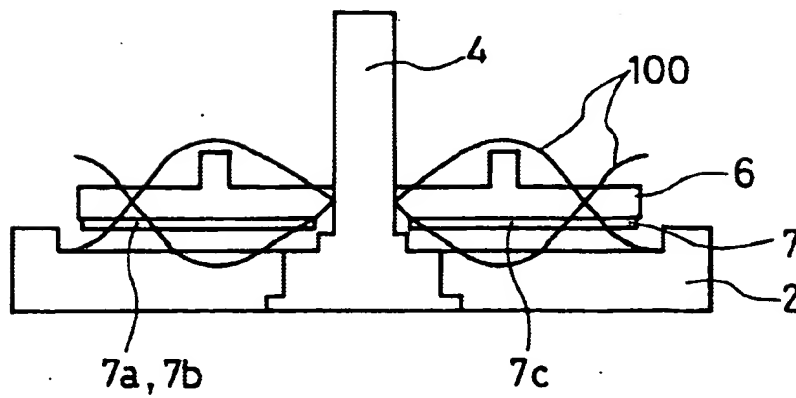
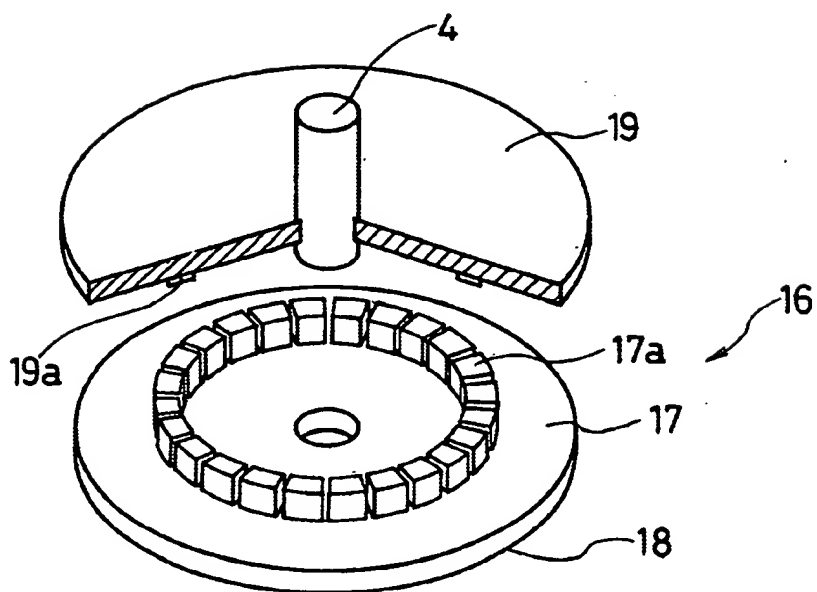


FIG. 9



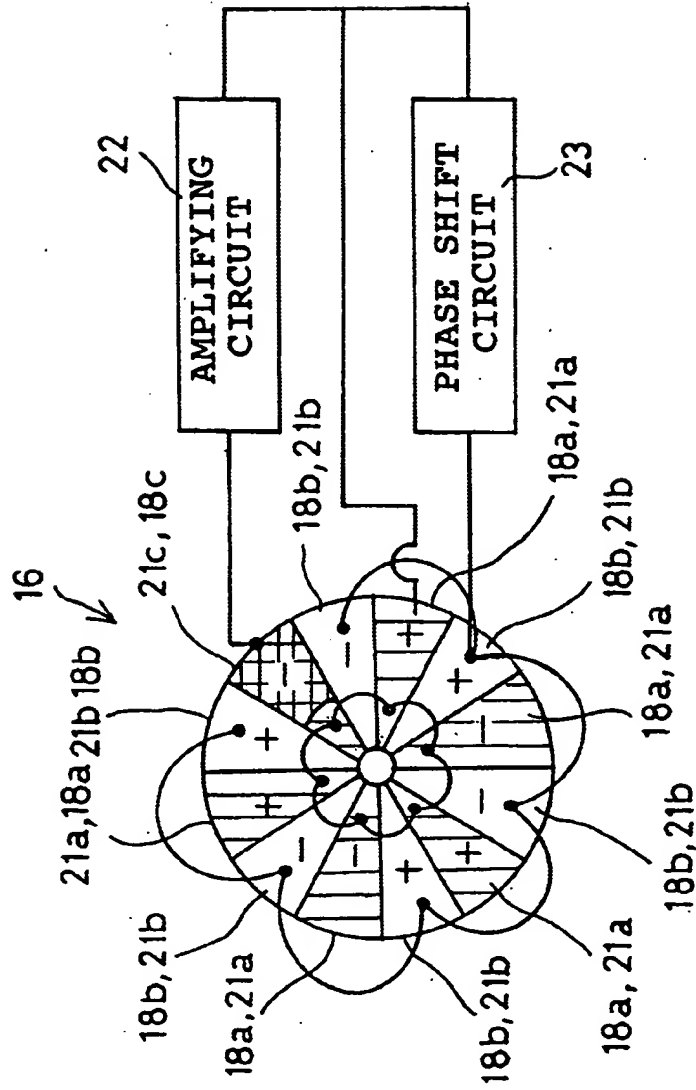




FIG. 11

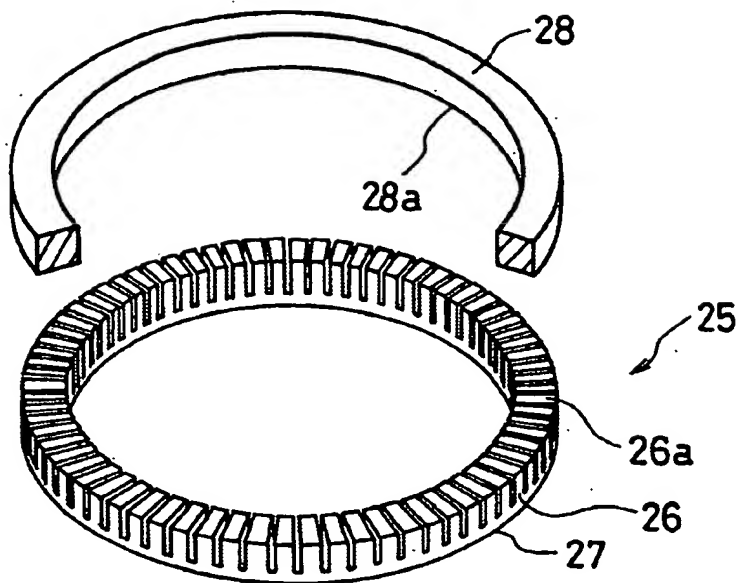
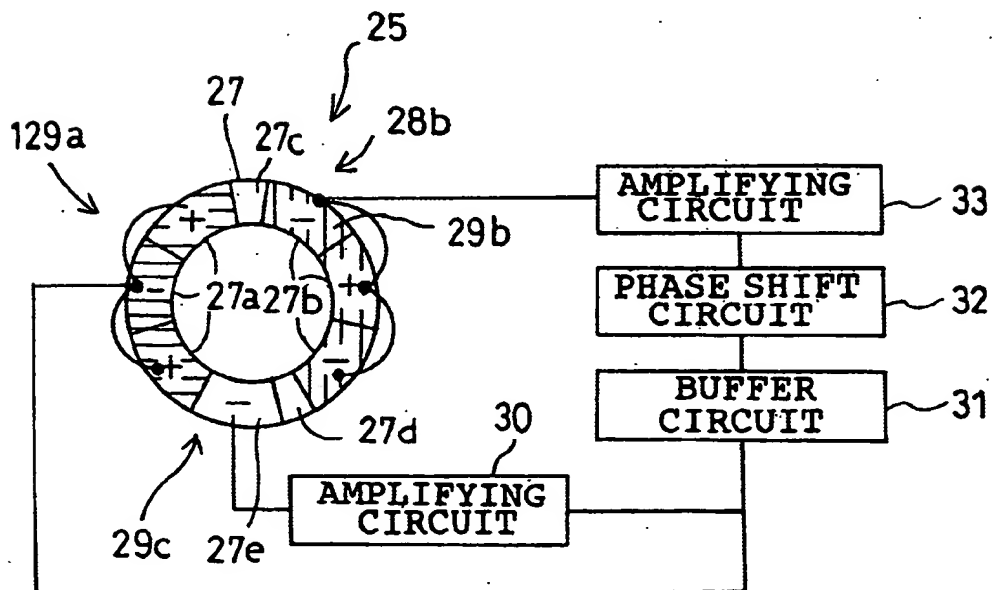


FIG. 12



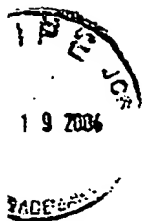


FIG. 13

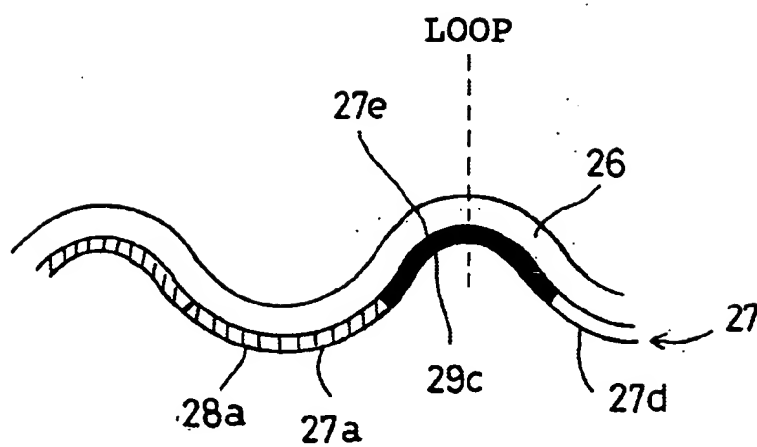
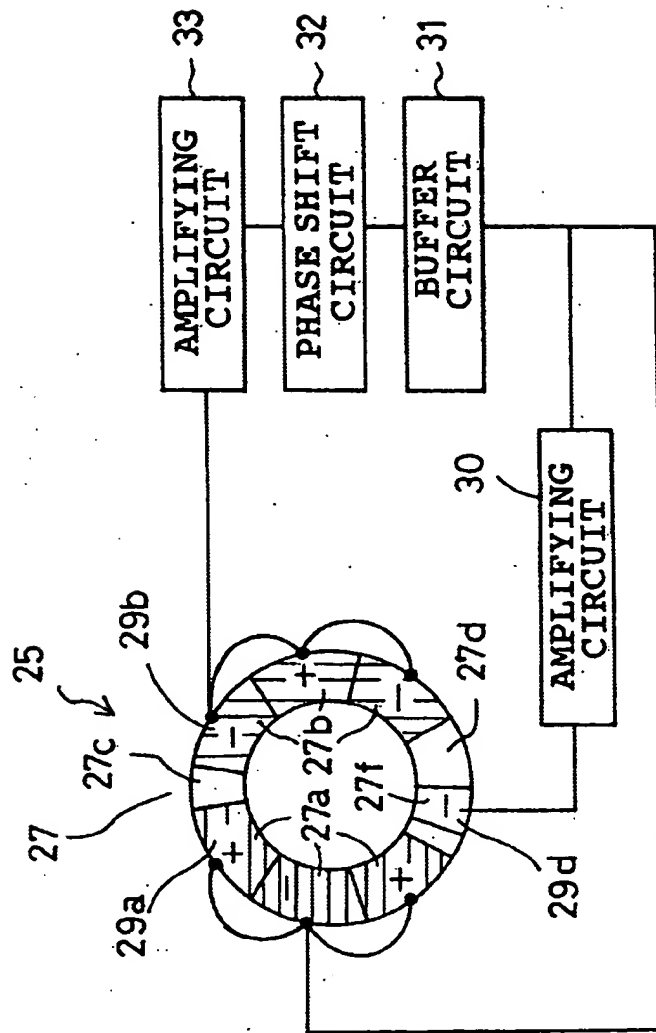


FIG. 14



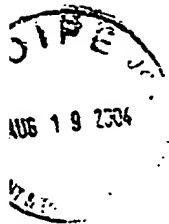


FIG. 15

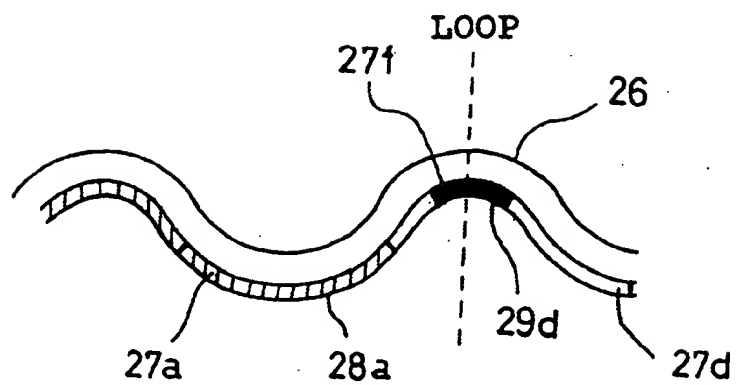
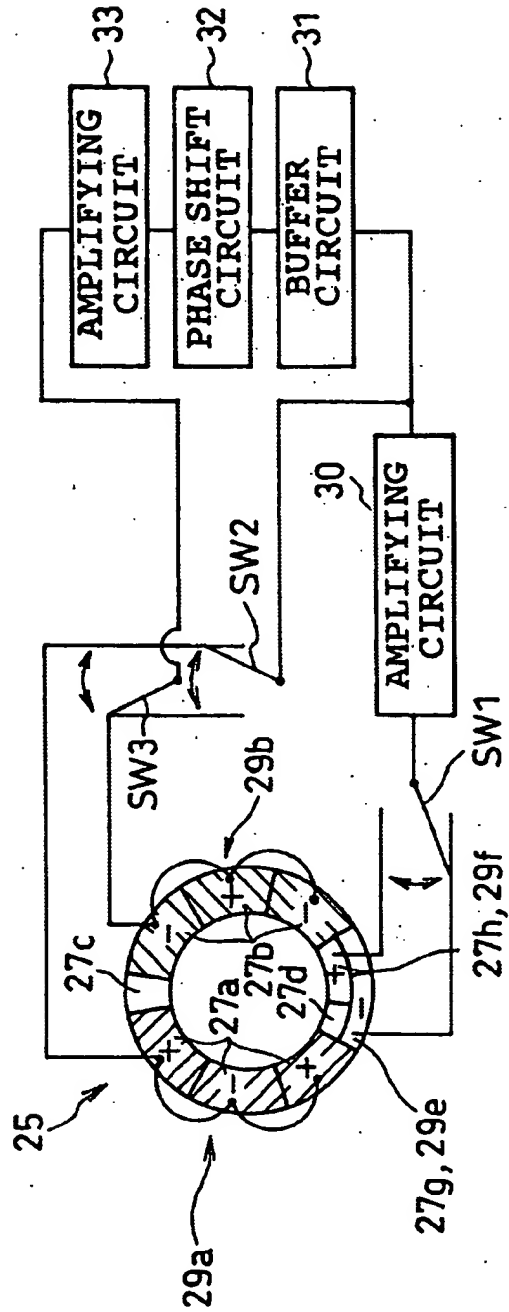


FIG. 16



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FIG. 17

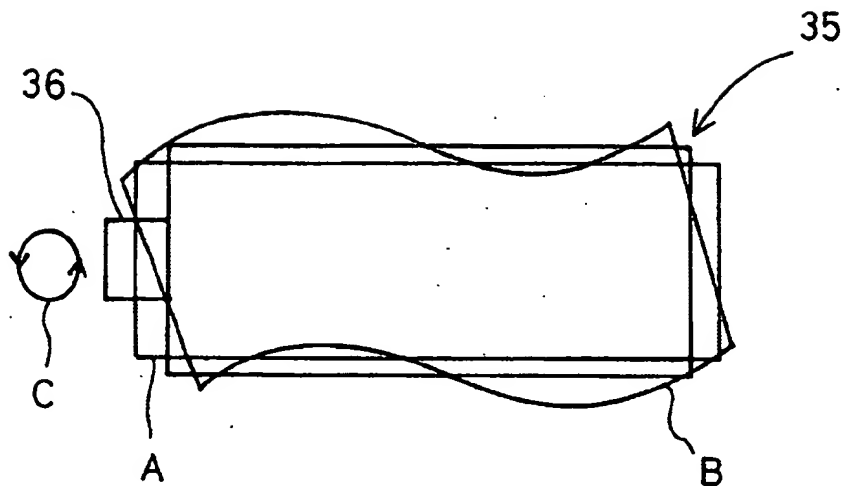
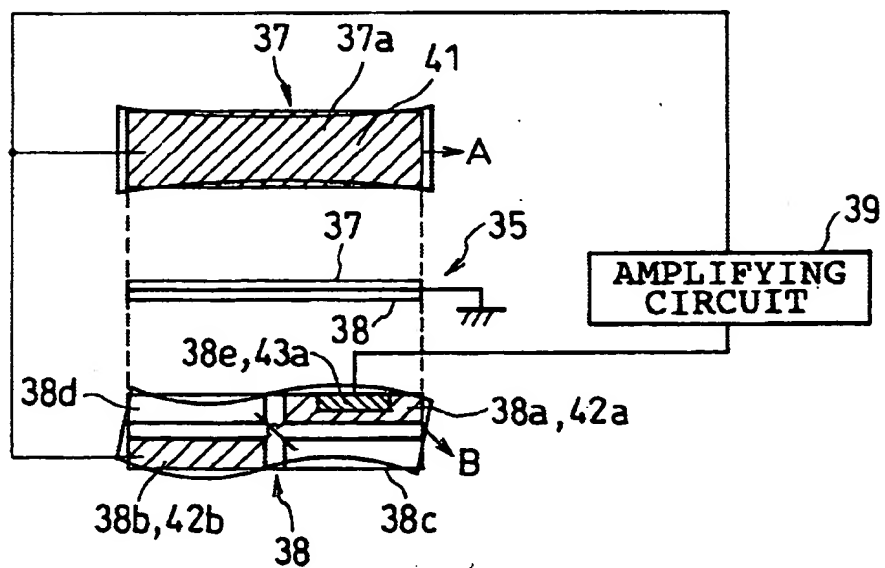


FIG. 18



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FIG. 19

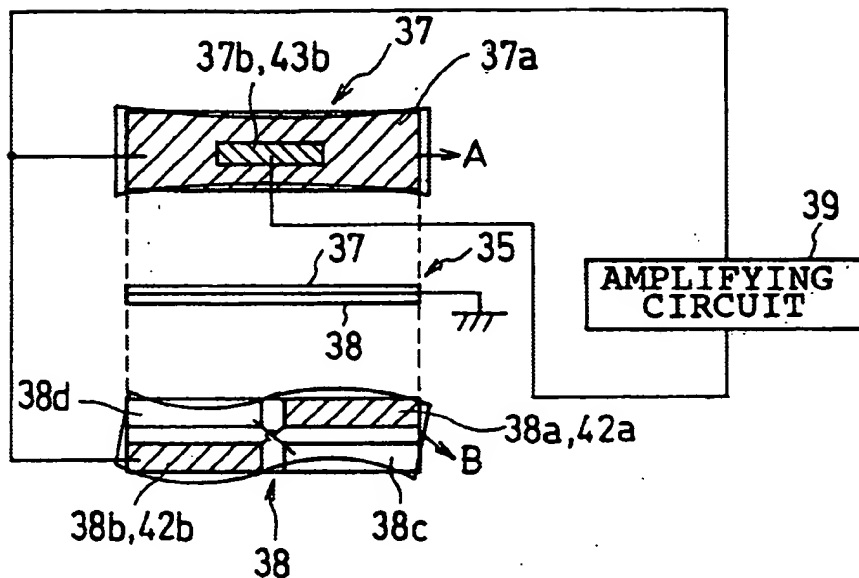
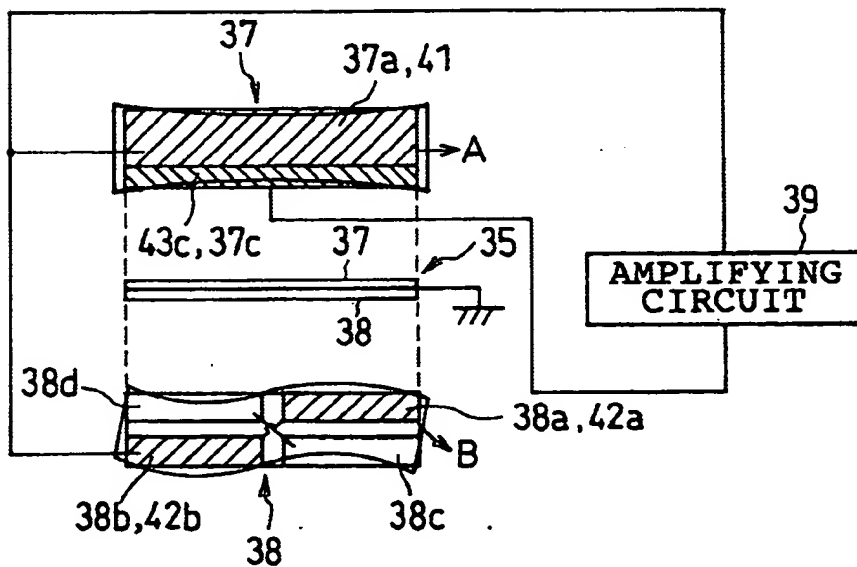


FIG. 20



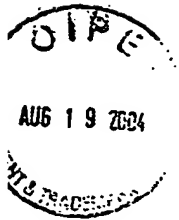
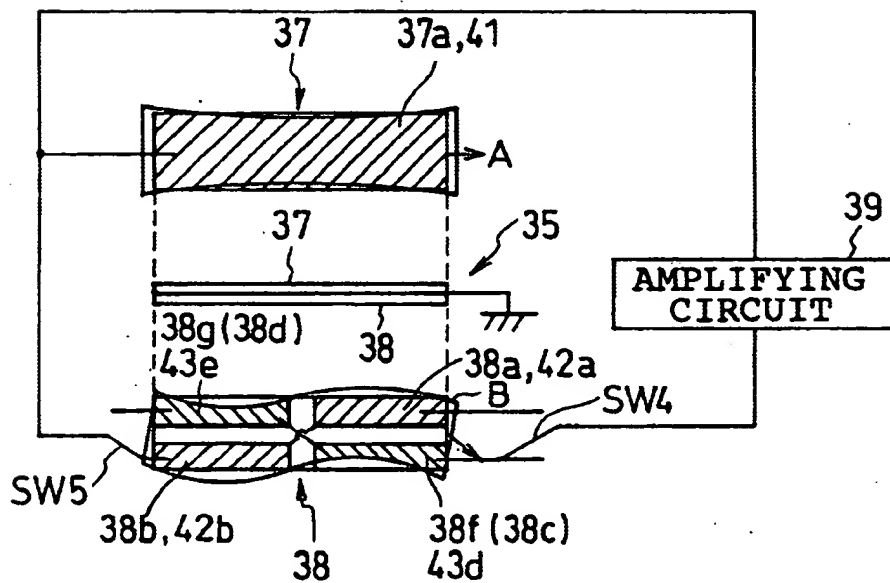


FIG. 21



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FIG. 22

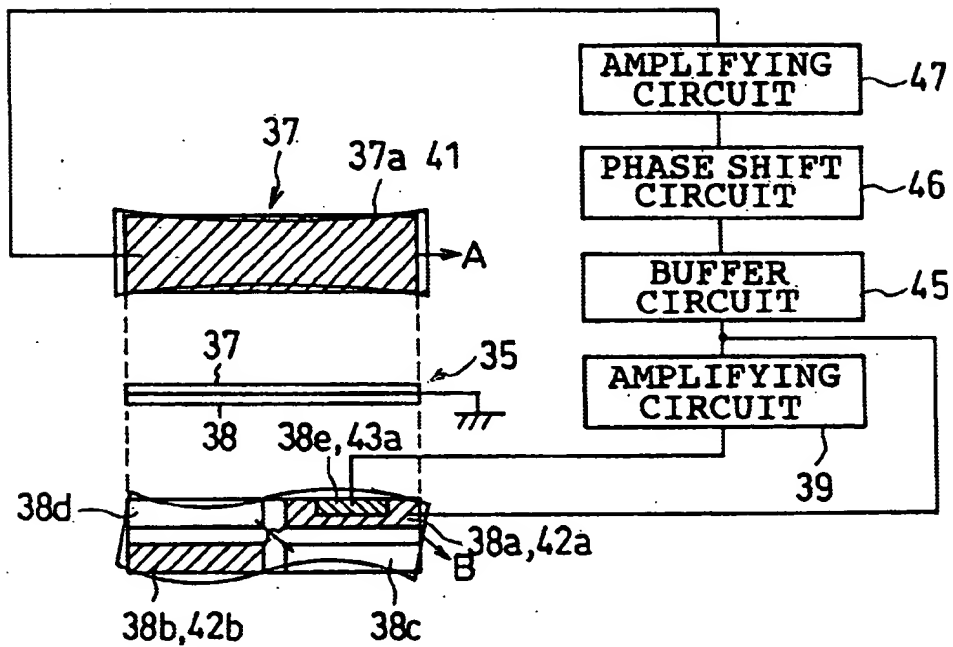
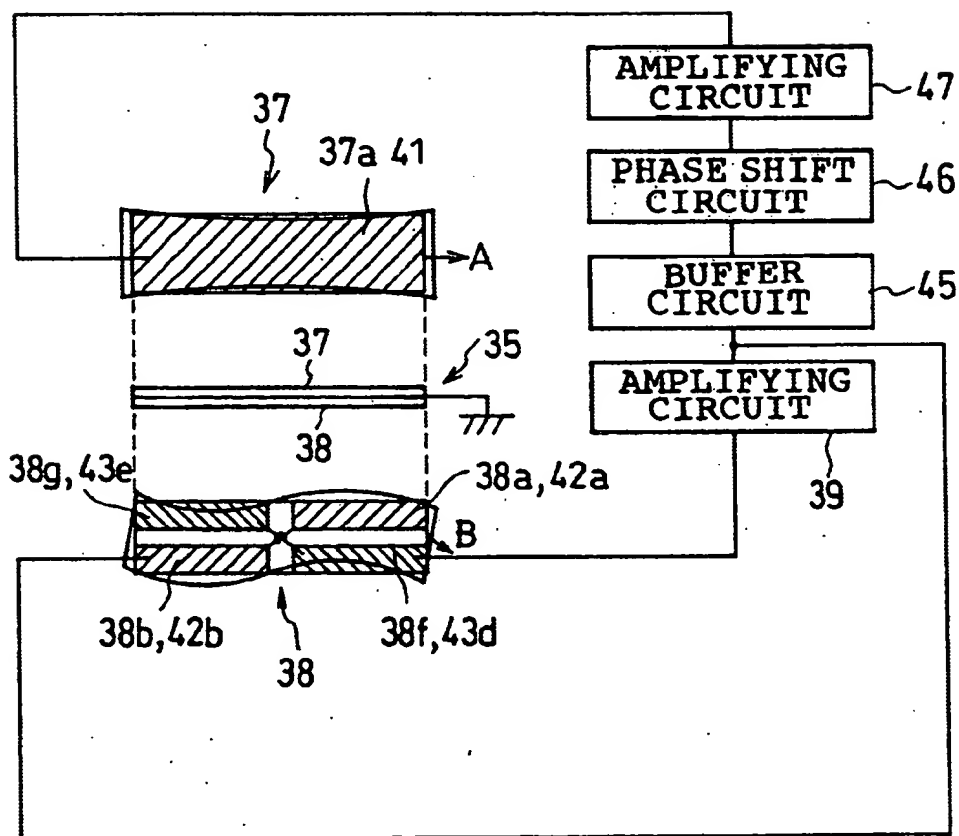




FIG. 23



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FIG. 24

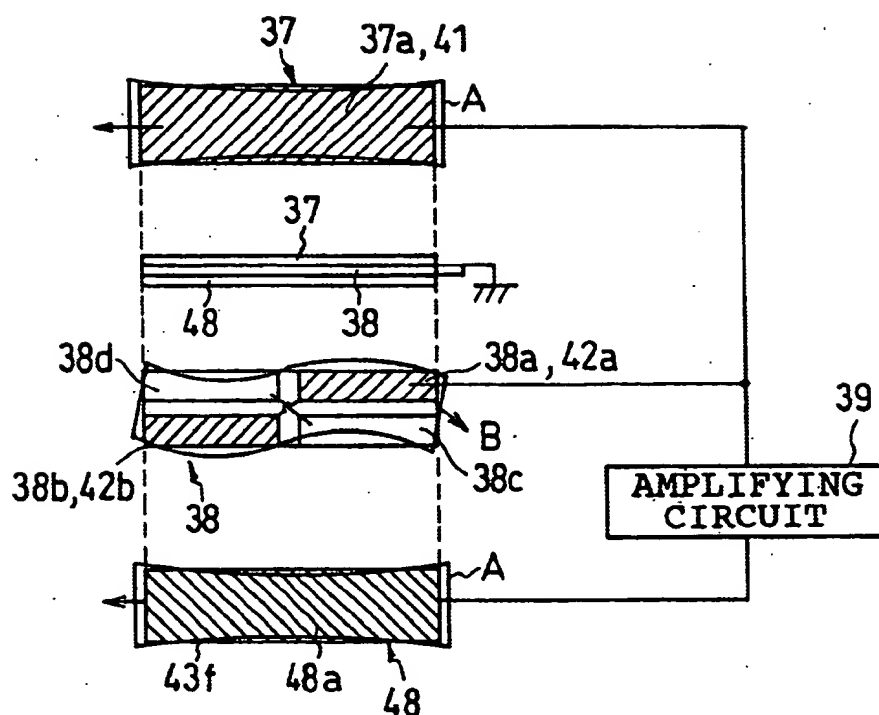




FIG. 25

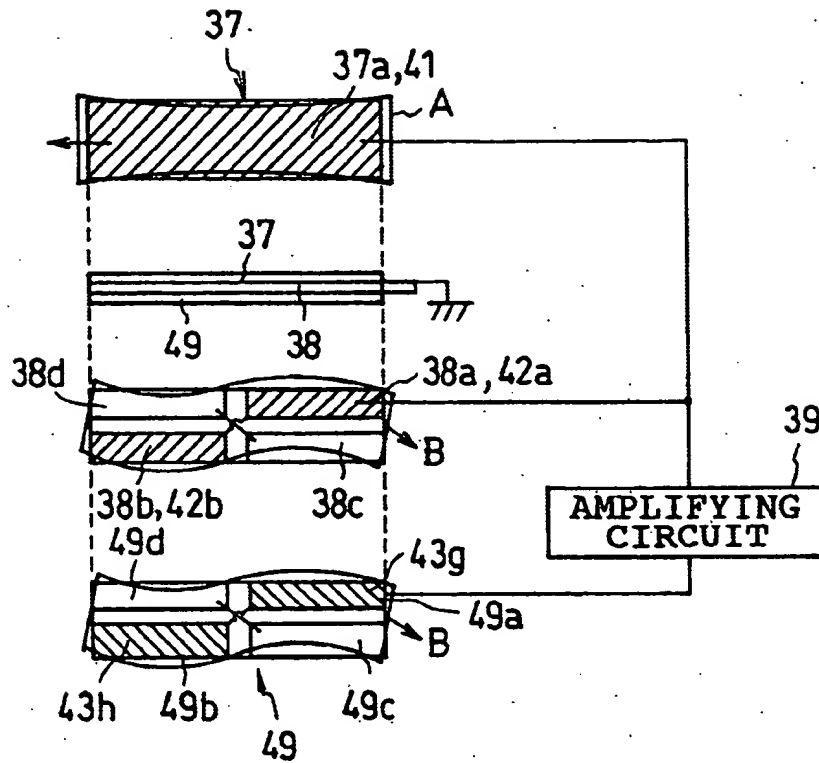
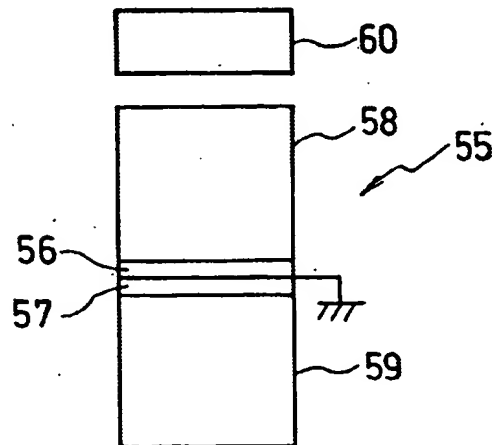


FIG. 26



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FIG. 27

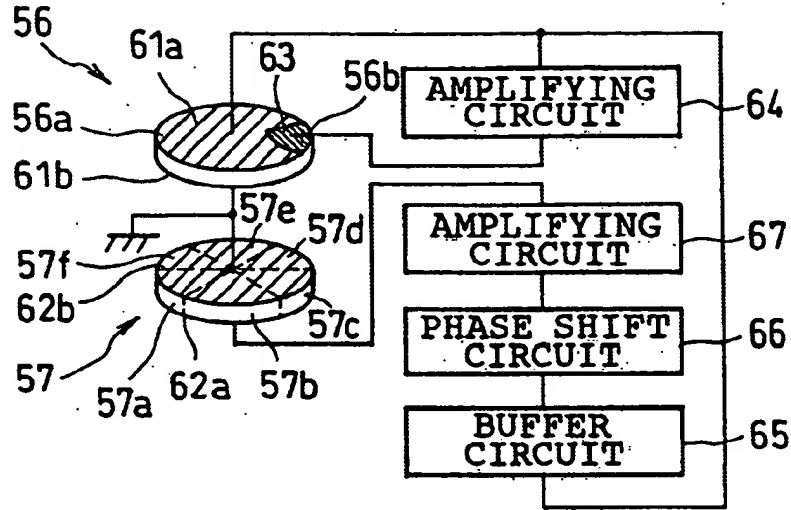
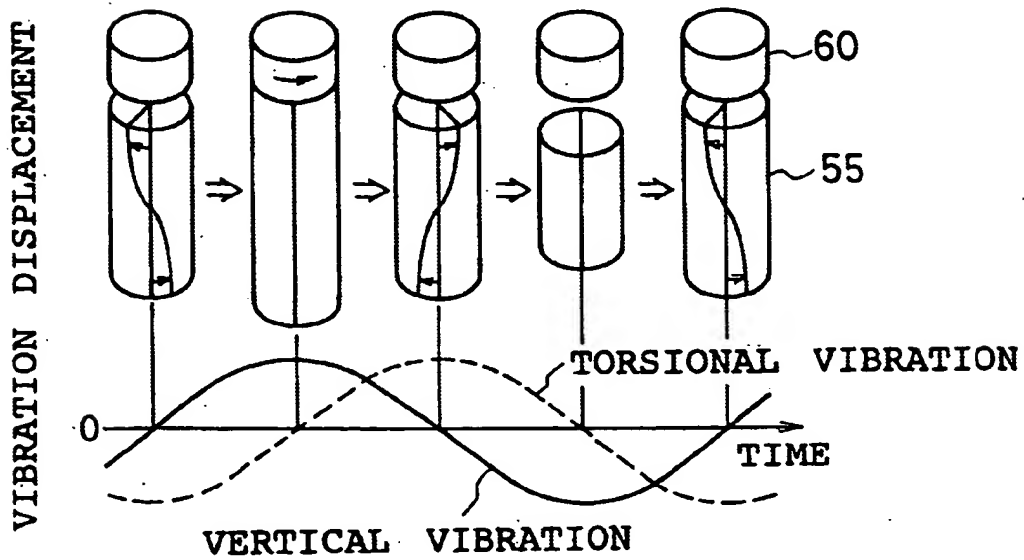


FIG. 28



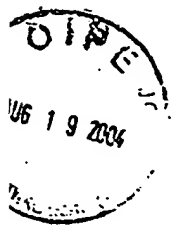


FIG. 29A

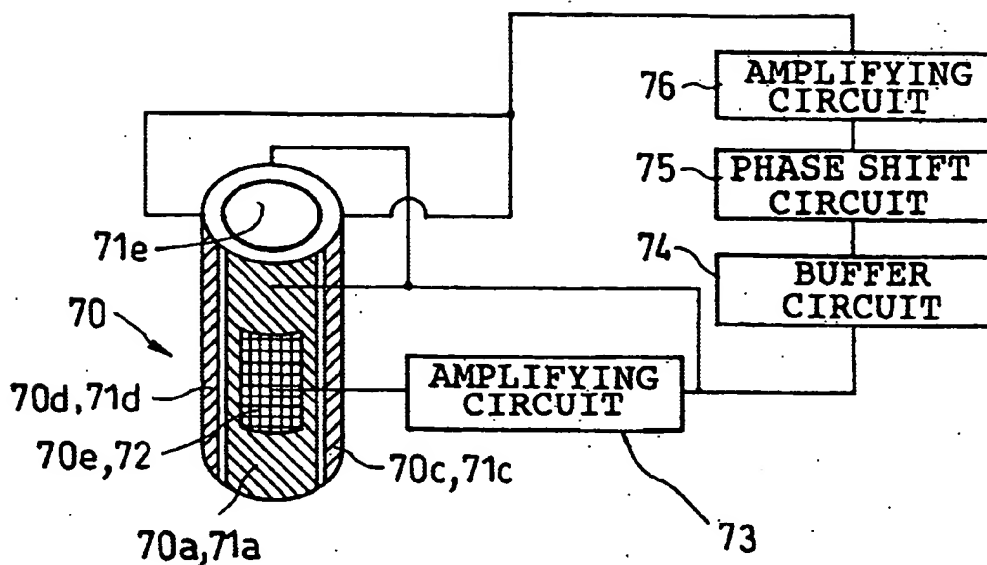


FIG. 29B

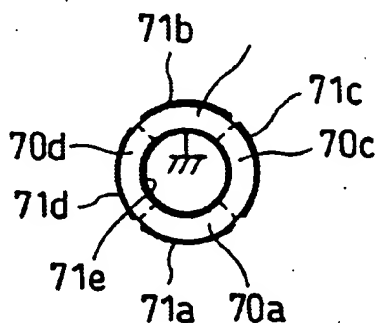
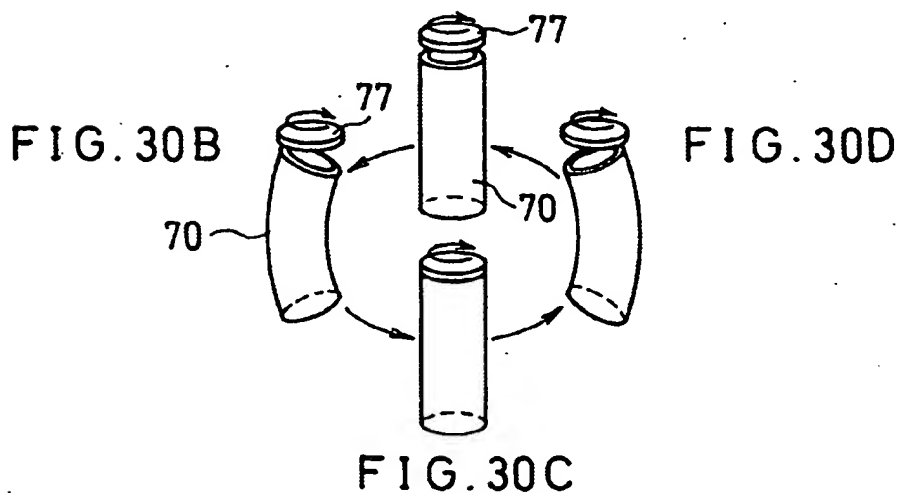


FIG. 30A



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FIG. 31A

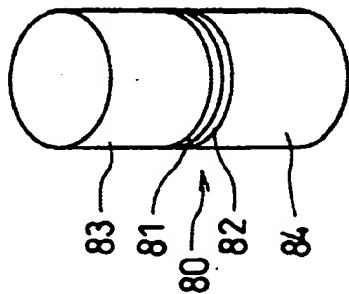


FIG. 31B

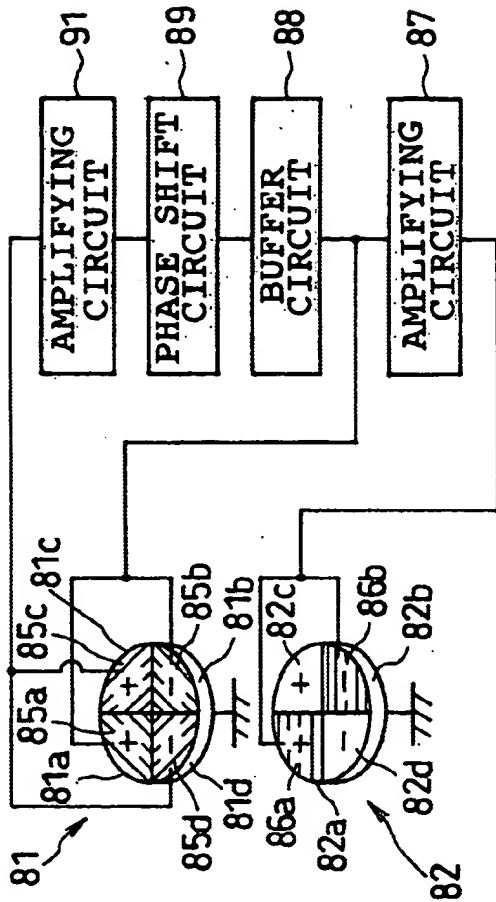




FIG. 32

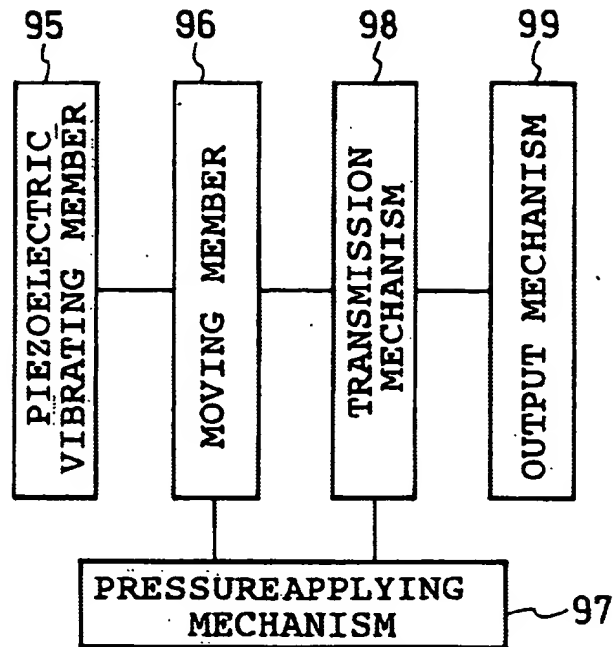


FIG. 33
PRIOR ART

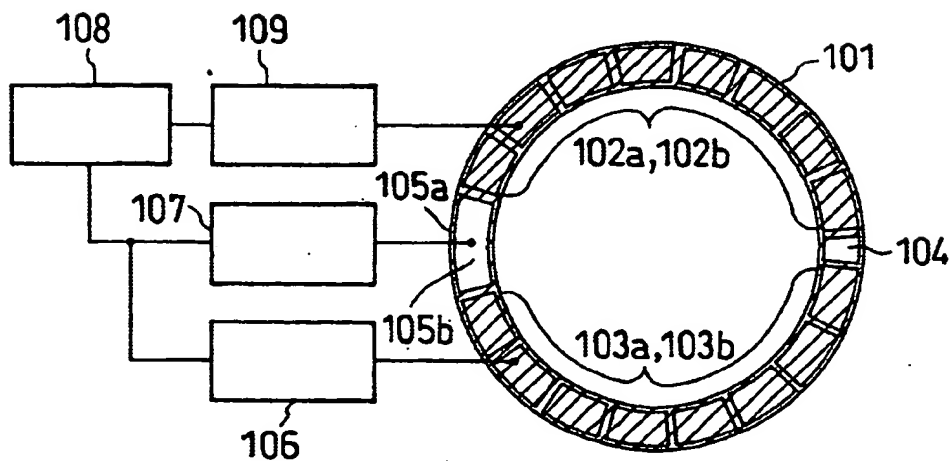


FIG. 34
PRIOR ART

